Approved for use through 7/31/2006, OMB 0651-0032
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
to a collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of information unless it displays a valid OMB control to the collection of the col Under the Paperwork Reduction Act of 1995, no persons are required to reso

	PA	FENT	APPLI	CATIO Substi	N FE	E DETE	ERMINATI	ON	RECORD	Towns of the same		ation or Bocket N	
	. /	APPLIC	CATION (Col	AS FIL	ED –		olumn 2)	_	SMALL	ENTITY	OR		R THAN ENTITY
	FOR		NUME	ER FILED		NUME	ER EXTRA		RATE (\$)	FEE (\$)	]	RATE (\$)	FEE (\$)
	SIC FEE CFR 1.16(a), (b), or	(c))						1		305	1	TOTIL (9)	000
SEA	ARCH FEE CFR 1.16(k), (i), or (							1		0.0	1		190
EX	AMINATION FEE CFR 1.16(0), (p), or							1				ļ	
TO	TAL CLAIMS CFR 1.16(i)			minus 2	m -	•		1	,35.	f		50	
IND	EPENDENT CLA	IMS			$\neg$			1	\ <u>a</u> \(\frac{1}{2}\)	<del> </del>	OR	X JU =	
(37	CFR 1.16(h))		If the sne	minus		· Irauánas	exceed 100	-	× 100			×9(CC)	
	LICATION SIZE	- 1	sheets of	paper, t	he app	lication s	ize fee due	П					
FEE	E CFR 1.16(s))		is \$250 (S					l Viložej	u di Primine	American income	( ) ( ) ( ) ( ) ( ) ( ) ( )	hering and	Nestanda es la l
			35 U.S.C	. 41(a)(1	)(G) ar	nd 37 CF	R 1.16(s).						
MUI	LTIPLE DEPEND	ENT CL	AIM PRES	ENT (37	CFR 1.1	6(J)		]	08/		٠	360	
• If t	he difference in c	column 1	is less tha	n zero, e	nter "O"	in column	2.		TOTAL			TOTAL	
	APPL	JCATI	ON AS	AMEND	ED -	PART II				•			
5	2/24/0	~										OTHER	THAN
_		<u> </u>	IMN 1) AIMS		<del>, `</del>	olumn 2)	(Column 3)	, ,	SMALL	ENTITY	OR	SMALL	
A T		REM AF	AINING TER IDMENT		NU PRE\	SHEST MBER /IOUSLY D FOR	PRESENT EXTRA		RATE (\$)	ADDI- TIONAL FEE (\$)		RATE (\$)	ADDI- TIONAL
AMENDMENT	Total (37 CFR 1.16())	• 7	$\mathcal{O}$	Minus		36	=	11	· 25=	, ree (8)		,KO	FEE (\$)
夏	Independent (37 CFR 1.16(h))	•	5	Minus		4	=	1		-	OR		·· <u> </u>
M	Application Size Fee (37 CFR 1.16(s))							П	<u>^[\\_=</u>	·	OR		· · · · · ·
٨	FIRST PRESENT	ATION O	F MULTIPLE	DEPEND	ENT CLA	JM (37 CF	R 1.16(j))	1	180		OR	360	
								,	TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
		(Colu	mn 1)		10	aluma 2\	(Caluma 2)	•	1002162		0.1	ADDLFEE	
		CL	AIMS			HEST	(Column 3)	1 1					
2			AINING TER			MBER YOUSLY	PRESENT EXTRA	П	RATE (\$)	ADDI- TIONAL		RATE (\$)	ADDI-
MENT	Total	AMEN	DMENT	-		DFOR				FEE (\$)			TIONAL FEE (\$)
	(37 CFR 1,16(i))			Minus					×35 =		OR	×50=	
AMENC	Independent (37 CFR 1.16(h))	<u> </u>		Minus	•••		=		×IM		OR	മന	
Ş	Application Size	Fee (37	CFR 1.16	(s))				lt	,		Ŭ.	do	
	FIRST PRESENTA	ATION OF	MULTIPLE	DEPENDE	NT CLA	IM (37 CF	R 1.16(j))		180		OR	360	
								_	TOTAL ADD'L FEE		OR	TOTAL ADD'L FEE	
•	If the entry in ∞	lumn 1 i	s less than	the entry	in colu	mn 2, write	"0" in column	3.	i i				
***	If the "Highest N	umber P	reviously l	Paid For" Paid For	SIHT NI SIHT NI	SPACE I	s less than 20,	ente					
	The "Highest Nu	mber Pr	eviously Pa	aid For (1	otal or	Independe	ent) is the highe	est nu	mber found in t	he appropriate	box in c	olumn 1.	

and the second of the second

This collection of information is required by 37 CFR 1.16. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 12 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

	PATENT	APPLICATIO				ON RECO	RD		~	ppiication	. u. Đ	ocket Null	10ei	
		Effec	tive Octob	er 1, 20	003				L	_39	2.	18:35	_	1
CLAIMS AS FILED - PART I (Column 1) (Column 2)									L EN	VIITY □	ÒR	OTHER SMALL		
TOTAL CLAIMS								RAT	Ε	FEE	] ·	RATE	FEE	1
FC	DR .		NUMBER	FILED	NUME		BASIC	FEE	385.00	OR	BASIC FEE	770.00		
TC	TAL CHARGE	ABLE CLAIMS	26- mi	nus 20=	6			X\$ 9=			OR	X\$18=	1081	
INE	EPENDENT C	LAIMS	4 _m	inus 3 =	,			X43=			OR	X86=	86	1
Μl	ILTIPLE DEPE	NDENT CLAIM P	RESENT											
* If the difference in column 1 is less than zero, enter "0" in column 2								+145			OR	Ц	290c	
••		•	•			20101.j. 1		TOTA	AL		OR	TOTAL	1254	1.4
		LAIMS AS A (Column 1)	AMENDEL	PAH - (Colur		(Column 3)		SMALL ENTITY			OTHER THAN OR SMALL ENTITY			
AMENDMENT A		CLAIMS REMAINING AFTER AMENDMENT		HIGH NUM PREVIO PAID	EST BER DUSLY	PRESENT EXTRA		RAT	E	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE	
DMG	Total	*	Minus	**	,	œ		XS 9			OR	X\$18=		
MEN	Independent	•	Minus	***	•	=	l	X43:	_	<del></del>		X86=		
A	FIRST PRESENTATION OF MULTIPLE DEPENDENT CLAIM							7,10			OR			
								+145			OR	+290=		
				•		•	٠,	TOT LODIT, F		<u>.</u>	OR	TOTAL ADDIT. FEE		
	·	(Column 1)	· · · · · · · · · · · · · · · · · · ·	(Colur		(Column 3)	-			· · ·				
AMENDMENT B		REMAINING AFTER AMENDMENT		NUMI PREVIO PAID	BER	PRESENT EXTRA		RATE	=	ADDI- TIONAL FEE	٠	RATE	ADDI- TIONAL FEE	ŀ
MQ.	Total	*	Minus	**		=		X\$ 9	_ [		OR	X\$18=		
ME	Independent	*	Minus	tex				X43=	_			X86=		
٩	FIRST PRESE	NTATION OF MU	JLTIPLE DEF	ENDENT	CLAIM		ŀ		+	<u>-</u> -:	OR	7.00=		
					•.			+145	بلند	i	OR	+290=	•	
~	te in a secondari			r.,			Α	DOIT. F			OR	TOTAL ADDIT, FEE		-
_	<del></del>	(Column 1) CLAIMS	· · ·	(Colun		(Column 3)					_	•		
ENTC	·	REMAINING AFTER AMENDMENT		NUME PREVIO PAID I	BER BUSLY	PRESENT EXTRA		RATE		ADDI- TIONAL: FEE		RATE	ADDI- TIONAL FEE	
AMENDMENT	Total	*	Minus	## ·		<b>=</b>	. [	X\$ 9=	. 1		OR	X\$18=		
WE	Independent	*	Minus	***		=	1	X43=	+			X86=		
_	FIRST PRESE	NTATION OF MU	JLTIPLE DEF	ENDENT	CLAIM		F	V49=	+		OR	∧00=		
	the outer in action	nn é in lean-thas st		:				+145=			OR	+290=		İ
[	the 'Highest Nur	nn 1 is less than the	id For IN THIS	S SPACE is	lass than	1 20. enter "20."	A	TOT/ DDIT. FE		•	OR ,	TOTAL ADDIT. FEE		
1	he "Highest Num	mber Previously Paid ber Previously Paid	For (Total or	Independe	nt) is the	n 3, enter "3." highest number	tour	d in the	appr	opriate box				

## PATENT APPLICATION FEE DETERMINATION RECORD

Application or Docket Number

Effective October 1, 2003								10644831							
CLAIMS AS FILED - PART I (Column 1) (Column 2)								SMALL EN		OR	OTHER SMALL I				
TC	TAL CLAIMS		10			Δ		RATE	FEE		RATE	FEE			
FO	Я		NUMBER F	ILED	NUMBER EXTRA			BASIC FEE	385.00	OR	BASIC FEE	770.00			
то	TAL CHARGEA	BLE CLAIMS	26 min	us 20=	. 6			X\$ 9=		OR	XS18=	108.00			
IND	EPENDENT CL	AIMS	4 mir	ius 3 =	1			X43=		OR	OR X86= 86.00				
MU	LTIPLE DEPEN	DENT CLAIM P	PRESENT					+145=		OR	+290=				
* If	the difference	in column 1 is	less than ze	ro, enter	"0" in c	olumn 2		TOTAL		OR	TOTAL	964.00			
	C	LAIMS AS A (Column 1)	AMENDED - PART II (Column 2) (Column 3)					SMALL	NTITY	OR	OTHER SMALL	_			
AMENOMENT A		CLAIMS REMAINING AFTER AMENDMENT	·	HIGH NUM PREVIO PAID	BER DUSLY	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE			
NON	Total	*	Minus	**		=		X\$ 9=		OR	X\$18=				
AME	Independent	*	Minus	***		]=		X43=		OR	X86=				
	FIRST PRESE	NTATION OF MI	JLTIPLE DEF	ENDEN.	T CLAIM		J	+145=		OR	+290=				
TOTAL ADDIT, FEE										OR	TOTAL ADDIT. FEE				
		(Column 1)		(Colu	mn 2)	(Column 3	L	ADDIT. FEE							
AMEN'OMENT B		CLAIMS REMAINING AFTER AMENDMENT		NUM PREVI	HEST IBER OUSLY FOR	PRESENT EXTRA		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE			
Š	Total	±	Minus	**		=		XS 9=		OR	XS18=				
AME	Independent		nus	***	T 61 A11		4	X43=		OR	X86=				
<u> </u>	FIRST PRESE	NTATION OF M	ULTIPLE DEF	ENDEN	CLAIM		لـ	+145=		ОЯ	+290=				
								TOTAL ADDIT. FEE		OR	TOTAL				
		(Column 1)		(Colu	mn 2)	(Column 3	1)								
AMENDMENT C		CLAIMS REMAINING AFTER AMENDMENT		NUA PREVI	HEST MBER OUSLY	PRESENT		RATE	ADDI- TIONAL FEE		RATE	ADDI- TIONAL FEE			
₩ Q Z	Total	•	Minus	**		=		X\$ 9=		OR	X\$18=				
ME	Independent	•	Minus	***		<u> -</u>		X43=		OR	X86=				
Ľ	FIRST PRESE	NTATION OF M	ULTIPLE DEF	PENDEN	T CLAIM		ل			1		<u> </u>			
	If the entry in colu	mn 1 is less than t	ne entry in colu	mn 2. writ	e 'G' in co	olumn 3		+145=		OR	+290=	<del> </del>			
~	If the "Highest Nu	mber Previously P mber Previously P aber Previously Pa	aid For <sup>*</sup> IN THI aid For <sup>*</sup> IN THI	S SPACE S SPACE	is less that	an 20, enter "2 an 3, enter "3."	•	ADDIT. FEE	nrogriate ho	OR	ADDIT FEE				